

CLASS 70, LOCKS**SECTION I - CLASS DEFINITION**

For purposes of this classification, a lock is defined as a securing device or a plurality of devices including mechanism requiring means unknown or inaccessible to or beyond the control of the public, or secret means, or secret knowledge, or a combination of such means and knowledge for successful normal operation to a releasing condition. Generally, these devices embody fixed or movable blocking elements or impediments hindering or precluding unauthorized or surreptitious manipulation except by the means above noted, or secret knowledge, usually a special, prearranged or predetermined key or combination of movements.

This class is essentially an element class but includes:

Certain special securing contrivances of general utility for application or securement to some conventional structure to prevent normal manipulation of the structure such as hasps and portable securing mechanisms, as fetters, padlocks, etc.

Certain special applications of locks to other conventional structures modified only sufficiently to provide a location therefor.

Certain systemic arrangements of locks wherein the initial, basic or ultimate control is a lock, although portions of the arrangement may be controllable by other alternative means.

Certain specially contrived devices, mechanisms and adjuncts associated with, part of, or ancillary or auxiliary to locks or their operating features.

In its elemental aspects, this class includes the constituent construction of the lock, which may include structure responsive to other operating agents wherein initiation of operation is controllable by the lock either solely or alternatively, but constitutes a securing mechanism as an entity. The features of the elemental structure, both as an assembled entity and in its essential elements, as when combined with features designed to defeat surreptitious or unauthorized manipulation by external force, are also found in this class.

SECTION II - REFERENCES TO OTHER CLASSES**SEE OR SEARCH CLASS:**

- 40, Card, Picture, or Sign Exhibiting, subclass 460 for changeable exhibitors operated by the latching mechanism of doors, and subclass 330 for keys merely carrying indicia.
- 81, Tools, subclass 15.9 for a tool specially adapted to manipulate a lock or portion thereof.
- 109, Safes, Bank Protection, or a Related Device, subclasses 59+ for locks of special application to safes, and other bank protection devices, especially subclass 61, for devices for safes and vaults commonly known as pressure mechanisms (such mechanism operating to cam the closure tight in its jamb and usually serving to crack the door to an ajar position) in combination with lock mechanism.
- 137, Fluid Handling, subclasses 383+ for fluid handling apparatus combined with a lock or seal.
- 222, Dispensing, subclasses 153.01+ for locks combined with dispensing devices.
- 292, Closure Fasteners, appropriate subclasses, for bolts, seals and keepers, per se.

SECTION III - GLOSSARY**BOLT**

A securing element mounted on one part and having a portion or portions movable to cooperative engagement with a keeper on another part to prevent relative movement between said parts.

CHANGE-KEY

That key designed for operation of an individually distinct lock operating mechanism embodying a specific combination or design.

COMBINATION

The prearranged or predetermined secret or nonpublic succession or order of movement of blocking elements, or the peculiar arrangement or scheme of fixed or movable elements designed to secure against public operation or control.

DEAD-BOLT

An unbiased bolt normally at rest, whether or not so held, and movable only by a positively initiated external force.

DOG

A movable blocking element, other than a tumbler, in the form of a pawl or catch, adapted to releasably detain a movable part.

KEEPER

A part to receive the movable portion of a bolt usually a socket, pocket, opening, ledge, abutment, seat, shoulder, etc.

KEY

A specially contrived implement for controlling or operating a lock and (1) having portions designed to pass fixed obstructions or to arrange movable impediments to allow operation of a securing device, or (2) embodying an unconventional design of predetermined secret or nonpublic origin.

LATCH-OR LATCHING-BOLT

One normally yieldably biased or urged by some form of constantly present potential force to seek one position and operable to another position against such force, but automatically returnable to its original position unless restrained.

MASTER-KEY

One designed for control of all of a plurality or series of lock operating mechanisms, each of which has its individually distinct operating means or implement.

NIPPERS

Manually controlled portable devices for grasping, clamping, gripping or grappling an extremity of the human anatomy and by the application of suitable force and consequent imposition of pain placing the individual to whom the device is applied under the influence and control of another, as in the case of an arrested individual.

PERMUTATION

Variation or change of a combination to produce a different combination.

SEAL

A device or mechanism designed to so interfere with the

normal operation or manipulation of a securing arrangement as to show by rupture, visible external injury, or other disfigurement from its original condition, any unauthorized or surreptitious tampering, attack or manipulation. Included also in exception to the above definition are:

SUB-MASTER-KEY

One designed for control of all of a limited number of a plurality or series of lock operating mechanisms and subordinate to a master key.

TUMBLER

A movable impediment to the movement of a bolt or other movable element which may respond to an operating element of corresponding complemental combination, or to a combination of movements to be so disposed as to provide an unimpeded path of movement of the bolt or other movable element.

WARD

A fixed impediment in the path of movement of a key in its normal capacity as a lock operator.

SUBCLASSES

1 Locks within the above definition not otherwise classified.

1.5 This subclass is indented under the class definition. Devices applied to locks, or locked structures, which upon attack by an unauthorized force impose one or more additional impediments to the operation of the lock, or the device or devices controlled by the lock.

SEE OR SEARCH THIS CLASS, SUBCLASS:

333+, and 416+, for devices which prevent or defeat attack and which are not actuated by the attack.

SEE OR SEARCH CLASS:

109, Safes, Bank Protection, or a Related Device, subclass 30, for safes combined with auxiliary locks.

1.7 This subclass is indented under subclass 1.5. Devices wherein there is provided an additional positively actuated mechanism to release the impediment to allow authorized actuation

- of the lock. The mechanism is either a delayed actuating mechanism or has an operator which is under the control of an authorized person.
- 2** This subclass is indented under the class definition. Locks of the strap or plate fastener type of general application for securing contiguously disposed parts, usually pivotally or hingedly connected to one part and releasably locked to a keeper on the other part, or releasably connected to the other part and locked to prevent relative release of the parts.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
72, through 75, for trunk hasp locks.
93, for links to limit opening of doors.
- SEE OR SEARCH CLASS:
292, Closure Fasteners, subclasses 281+ for nonlocking hasps.
- 3** This subclass is indented under subclass 2. Hasp locks embodying a combination lock as the securing medium.
- 4** This subclass is indented under subclass 3. Devices wherein the lock is carried by the hasp.
- 5** This subclass is indented under subclass 3. Devices wherein the lock is carried by the cooperating keeper.
- 6** This subclass is indented under subclass 2. Hasp locks embodying a key operated lock as the securing medium.
- 7** This subclass is indented under subclass 6. Devices wherein the lock is carried by the hasp.
- 8** This subclass is indented under subclass 7. Devices wherein the keeper is encased by a suitable housing provided on the hasp.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
102+, for similarly arranged door locks.
178, for valve locks.
232, for knob locks.
- 9** This subclass is indented under subclass 8. Devices including a dead-bolt as the securing medium.
- 10** This subclass is indented under subclass 8. Devices including a latching bolt as the securing medium.
- 11** This subclass is indented under subclass 7. Devices wherein a dead-bolt is the securing medium.
- 12** This subclass is indented under subclass 7. Devices wherein a latching bolt is the securing medium.
- 13** This subclass is indented under subclass 6. Devices wherein the lock is carried by the keeper.
- 14** This subclass is indented under the class definition. Lock devices for locking attachment to some conventional structure provided with means for detachably receiving such devices, or attachable without modification of the receiving structure.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
371, for cylinder locks employed in this capacity.
424, 426 and 428, for portable key-hole guards.
430, for portable key securers, fasteners or retainers.
- 15** This subclass is indented under subclass 14. Portable lock devices embodying some mechanical medium for securing an article to prevent its removal from its locked location, generally comprising some flexible medium which may be suitably attached to, passed through, or may embrace the article or part of the article to be secured and is adapted for anchoring to some other object or part to prevent separation of the two.
- SEE OR SEARCH CLASS:
119, Animal Husbandry, subclasses 712+ for a device for controlling, restricting, or handling an animal, especially subclasses 769+ for hitching or tethering, subclass 811 for a flexible band

or strand to prevent tail switching, and subclasses 814+ for an animal-carried restraint.

- 16** This subclass is indented under subclass 15. Devices adapted to the human anatomy.

SEE OR SEARCH CLASS:

119, Animal Husbandry, subclasses 816+, especially subclass 819 for a hopple of the shackle type specially adapted to domestic livestock.

- 17** This subclass is indented under subclass 16. Devices which by the application of suitable force and consequent imposition of pain places an individual under the influence and control of another, as in the case of an arrested individual.

SEE OR SEARCH CLASS:

81, Tools, subclasses 64+ for similarly operated clamping mechanisms.
119, Animal Husbandry, subclasses 801+ for a catching and holding tool.
294, Handling: Hand and Hoist-Line Implements, subclasses 86.4+ for grapples.

- 18** This subclass is indented under subclass 15. Devices in the form generally of rings or of continuous configuration when locked.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

260, for shackles employed as spare tire locks for automobiles.

SEE OR SEARCH CLASS:

59, Chain, Staple, and Horseshoe Making, subclass 86 for shackles for securing chains.
114, Ships, subclass 114 for shackles employed for securing sails and rigging.
278, Land Vehicles: Animal Draft Appliances, subclasses 96+ for shackles employed in securing draw straps to whiffle-trees.

- 19** This subclass is indented under subclass 14. Portable securing devices of the jaw type embodying two or more jaws which may be drawn together by applied external force and impose a force through the jaws upon the arti-

cle to which applied, having suitable lock mechanism to prevent unclamping.

SEE OR SEARCH CLASS:

81, Tools, subclasses 318+ and 487 for jaw fixing means.

- 20** This subclass is indented under subclass 14. Portable locking units or entities comprising a body containing lock mechanism, such body having a shackle, link or bolt adapted for releasable securement to the conventional structure, one portion of the shackle, link or bolt cooperating with the lock to prevent unauthorized or surreptitious removal or separation of one or more parts of the shackle, link or bolt.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

57+, for special applications of padlocks.

SEE OR SEARCH CLASS:

292, Closure Fasteners, subclass 328, 329 and 330, for seals embodying characteristic padlock configurations or features.

- 21** This subclass is indented under subclass 20. Padlocks embodying either combination or key controlled securing mechanism, or both of said mechanisms, either one or both of which may effect release.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

284+, for the association of the two types of operating mechanisms in their specific aspects.

- 22** This subclass is indented under subclass 20. Padlocks embodying only combination control for the locking mechanism to effect release.

- 23** This subclass is indented under subclass 22. Devices wherein there is no distinctive shackle, but in which one part of the lock or contiguous parts may be employed as a shackle.

- 24** This subclass is indented under subclass 22. Devices wherein the shackle is rigid.

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| <p>25 This subclass is indented under subclass 24. Devices in which the shackle has sliding cooperation with the body of the padlock and is not bodily removable from the body.</p> <p>26 This subclass is indented under subclass 25. Devices wherein the shackle is completely removable from the body of the pad-lock.</p> <p>27 This subclass is indented under subclass 24. Devices wherein the shackle has one end or portion thereof pivoted to the lock body and no significant securing detent provided for hereafter.</p> <p>28 This subclass is indented under subclass 27. Devices secured in the body by a sliding detent.</p> <p>29 This subclass is indented under subclass 27. Devices secured in the body by a swinging detent.</p> <p>30 This subclass is indented under subclass 22. Devices wherein the shackle is flexible in the form of a chain, woven wire, cable, etc.</p> <p>SEE OR SEARCH THIS CLASS, SUB-CLASS:
 15+, for fetters.
 49+, for similar structure, key controlled.
 93, for door shackles.
 259+, for portable devices of similar characteristics, employed as automobile spare wheel and tire locks.</p> <p>SEE OR SEARCH CLASS:
 24, Buckles, Buttons, Clasps, etc., subclass 167, for buckle locks.</p> <p>31 This subclass is indented under subclass 20. Padlocks embodying key controlled mechanism as the securing medium.</p> <p>32 This subclass is indented under subclass 31. Devices wherein there is no distinctive shackle but a portion or portions of the body may be so brought together as to provide a part which may take the place of the shackle.</p> | <p>33 This subclass is indented under subclass 32. Devices in which the housing or body of the padlock has an extension with which a suitable bolt or detent cooperates.</p> <p>34 This subclass is indented under subclass 32. Devices, wherein when the parts are assembled in locked condition a single stem or shank is presented.</p> <p>35 This subclass is indented under subclass 31. Devices wherein the shackle is rigid.</p> <p>36 This subclass is indented under subclass 35. Devices divided into two parts which when brought together in the locked condition will present a continuous shackle.</p> <p>37 This subclass is indented under subclass 36. Devices wherein rigid extensions are provided on the lock body in such a manner as to permit of opening and closing as a pair of jaws.</p> <p>38 This subclass is indented under subclass 35. Devices which slide with respect to the lock body.</p> <p>39 This subclass is indented under subclass 38. Devices completely removable from the lock body.</p> <p>40 This subclass is indented under subclass 38. Devices movable in an arcuate path in its locking and unlocking movements.</p> <p>41 This subclass is indented under subclass 35. Devices pivotally connected to the lock body.</p> <p>42 This subclass is indented under subclass 41. Devices secured in the lock body by a sliding detent.</p> <p>43 This subclass is indented under subclass 42. Devices which engage only the free or freely movable portion of the shackle.</p> <p>44 This subclass is indented under subclass 42. Devices which engage only the pivoted or hinged end of the shackle.</p> <p>45 This subclass is indented under subclass 41. Devices secured within the lock body by a swinging detent.</p> |
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- 46** This subclass is indented under subclass 45. Devices wherein the free or freely movable end only of the shackle is engaged.
- 47** This subclass is indented under subclass 45. Devices wherein the pivoted or hinged end only of the shackle is engaged.
- 48** This subclass is indented under subclass 41. Devices movable in an arcuate path, with respect to the lock body.
- 49** This subclass is indented under subclass 31. Devices wherein the shackle is flexible in the form of a chain, woven wire, cable, etc.
- 50** This subclass is indented under subclass 20. Padlocks wherein a sealing mechanism is so arranged as to provide for detection of unauthorized or surreptitious tampering.
- SEE OR SEARCH CLASS:
292, Closure Fasteners, subclasses 307 through 331, for seals, per se.
- 51** This subclass is indented under subclass 20. Subject matter relating to parts, accessories, attachments, and adjuncts.
- 52** This subclass is indented under subclass 51. Devices comprising padlock housings, casings or bodies of particular construction wherein the locking mechanism is not an essential feature of the construction.
- 53** This subclass is indented under subclass 51. Subject matter comprising that portion of a padlock which constitutes the movable part adapted for association with some structure having suitable provision for the reception thereof and which when associated in locked condition with its padlock housing, casing, or body, provides a substantially enclosing, encircling or embracing part, such as to present a continuous unopened or unbroken structure.
- SEE OR SEARCH CLASS:
280, Land Vehicles, subclass 814 for means to clamp together a plurality of skis with or without poles for storage or other nonuse purposes, there being no locking means claimed for the clamp.
- 54** This subclass is indented under subclass 51. Devices intended for the protection of padlocks from injury or to prevent padlocks from injuring parts to which they are attached.
- 55** This subclass is indented under subclass 54. Devices in the forms of sheaths or envelopes which are constructed to practically completely embrace the padlock.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
455, for key hole covers.
- SEE OR SEARCH CLASS:
150, Purses, Wallets, and Protective Covers, subclasses 154+ for a flaccid protective cover which is configured for and supported by the article it protects.
- 56** This subclass is indented under subclass 54. Devices comprising shielding devices in the forms of roofs or open covers or canopies to protect a padlock generally from the elements.
- 57** This subclass is indented under the class definition. Locks which are specially applied to some part or object which has provision for the accommodation of the lock and wherein modification is only of a character to accommodate the lock.
- SEE OR SEARCH CLASS:
24, Buckles, Buttons, Clasps, etc., subclass 2 for book locks and subclasses 166+ for buckle locks.
40, Card, Picture, or Sign Exhibiting, subclass 15 for license plate locks.
200, Electricity, Circuit Makers and Breakers, subclasses 42+ for locks for circuit makers and breakers, and subclasses 61.64+ for lock actuated circuit makers and breakers.
215, Bottles and Jars, subclass 207 for locks, for bottles and jar caps.
217, Wooden Receptacles, subclass 108, for bung locks.
235, Registers, subclass 27, for locks peculiarly adapted to render a cash register transaction key inoperative.
280, Land Vehicles, subclass 176, for locks for securing whips in a socket.

- 379, Telephonic Communications, subclass 445 for a telephone lock.
- 402, Binder Device Releasably Engaging Aperture or Notch of Sheet, subclass 2 for a device of Class 402 in combination with a locking means which means requires some secret knowledge or key for release.
- 57.1 For antitheft signaling device on protected article:**
This subclass is indented under subclass 57. Locks for securing to an article a detectable device which is intended to hinder or discourage unauthorized removal of the article from an area.
- SEE OR SEARCH CLASS:**
- 24, Buckles, Buttons, Clasps, etc., subclasses 704+ for a readily interlocking, two-part fastener which utilizes a nonspecialized tool to disengage the components of the fastener from each other.
- 340, Communications: Electrical, subclasses 572.1+ for a lock claimed in combination with a detail of a detectable device on a protected article.
- 58** This subclass is indented under subclass 57. Locks specifically provided for securing a portable article to prevent its unauthorized or surreptitious removal, or combined with the article to prevent movement of a portion thereof.
- SEE OR SEARCH CLASS:**
- 211, Supports: Racks, subclasses 4+, for article locking racks when the nature and structure of the support are significant.
- 248, Supports, subclasses 551+ for a support comprising antitheft means.
- 59** This subclass is indented under subclass 58. Devices which secure canes, umbrellas, apparel and other similar things.
- SEE OR SEARCH CLASS:**
- 248, Supports, subclasses 551+ for a support comprising antitheft means.
- 60** This subclass is indented under subclass 58. Devices which are intended to secure a portable robe, such as a lap robe.
- SEE OR SEARCH CLASS:**
- 211, Supports: Racks, subclass 6 and 7, for robe rail locks, and subclasses 8 and 9, for robe rail clamp locks.
- 61** This subclass is indented under subclass 58. Devices to accommodate portable tools such as hammers and other headed tools, wherein the tools may be so received and locked together as to prevent their use, operation or removal.
- 62** This subclass is indented under subclass 58. Subject matter wherein the articles are adapted to be retained in a stand.
- 63** This subclass is indented under subclass 58. Devices in which the articles are in the form of receptacles.
- SEE OR SEARCH CLASS:**
- 109, Safes, Bank Protection, or a Related Device, subclass 52, for safes combined with means to lock them to supports.
- 64** This subclass is indented under subclass 63. Devices in the form of a bag or sheath.
- SEE OR SEARCH CLASS:**
- 383, Flexible Bags, appropriate subclasses for a lock combined with a bag having significant bag structure beyond that necessary to accommodate the lock.
- 65** This subclass is indented under subclass 64. Devices wherein the bag has a flexible throat which may be collapsed in such a manner as to obstruct or occlude entrance to the receptacle when the locking construction is in locked condition.
- 66** This subclass is indented under subclass 64. Devices wherein there is provided a mouth in the form of rigid jaws suitably pivoted together in such a manner as to be placed in contiguous relation to prevent access to the interior of the receptacle.

- SEE OR SEARCH CLASS:
190, Trunks and Hand-Carried Luggage, subclass 120 for an article of hand luggage having means to prevent unauthorized opening, which means may be a lock combined with luggage structure beyond that is necessary to accommodate the lock.
- 67** This subclass is indented under subclass 64. Devices in the form of attache or brief-cases, portfolios, and receptacles of similar character.
- 68** This subclass is indented under subclass 67. Devices, wherein the fastening elements are of the interengageable slide fastener type, and the operator or fastening elements therefor are locked.
- 69** This subclass is indented under subclass 63. Devices of the trunk and suitcase type.
- 70** This subclass is indented under subclass 69. Devices wherein one portion of the locking construction comprises a keeper in the form of a projecting fixed or movable lug.
- 71** This subclass is indented under subclass 69. Devices embodying bolt elements as the securing device.
- 72** This subclass is indented under subclass 71. Devices effected by operation of a hasp.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
2+, for hasp locks.
- 73** This subclass is indented under subclass 69. Devices wherein a link and lever or link and hasp comprise the securing element.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
2+, for hasp locks, per se, of definite characteristics.
- 74** This subclass is indented under subclass 69. Devices including an element in the form of a hasp.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
2+, for specific locking constructions applicable to hasps of general use.
- 75** This subclass is indented under subclass 74. Devices wherein the locking mechanism is carried by the hasp.
- 76** This subclass is indented under subclass 69. Devices embodying a loop element as the securing medium.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
93, for similar loop types employed upon doors.
- 77** This subclass is indented under subclass 57. Devices applied to closures.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
240+, for locks for hoods of automobiles.
- SEE OR SEARCH CLASS:
49, Movable or Removable Closures, subclass 35 for a key controlled movable closure, and subclass 503 for a closure panel modified to accommodate a lock within or upon it.
- 109, Safes, Bank Protection, or a Related Device, subclasses 59+, for locks for special application to safes, bank protection and related devices not considered of general application.
- 78** This subclass is indented under subclass 77. Devices for securing the closures of cabinets.
- SEE OR SEARCH CLASS:
312, Supports: Cabinet Structure, subclass 107.5, 216 and 217+, for cabinet closures with gang-bar type locking or latching means, subclass 215 for cabinet closures with lock or latch selector-operators and subclass 333 for cabinet drawers with locks or latches.
- 79** This subclass is indented under subclass 78. Devices wherein the keeper is in the form of a projecting lug and is received in a suitable opening and so secured, mainly, locking

- devices wherein the locking elements are disposed within the housing of the locking mechanism or within the projecting lug.
- 80** This subclass is indented under subclass 79. Devices secured by engagement from the exterior of the lug.
- 81** This subclass is indented under subclass 78. Devices including a projectable bolt.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
100, and 112+, for similar devices on doors.
- 82** This subclass is indented under subclass 81. Devices embodying plural bolts.
- 83** This subclass is indented under subclass 81. Devices which have two or more directions of movement.
- 84** This subclass is indented under subclass 81. Devices which swing and also has a hooked end adapted to provide engagement between the bolt and keeper.
- 85** This subclass is indented under subclass 77. Devices applied to drawers.
- SEE OR SEARCH CLASS:
312, Supports: Cabinet Structure, subclass 107.5, 216 and 217+, for drawers with gang bar type locking or latching means, subclass 215 for drawers with lock or latch selector operators and subclass 333 for drawers with locks or latches.
- 86** This subclass is indented under subclass 85. Devices wherein the securing element is a dead-bolt.
- 87** This subclass is indented under subclass 85. Devices which are employed particularly in trade counters, and embodying quickly and readily manipulable locking elements.
- 88** This subclass is indented under subclass 87. Devices controlled by a combination lock or combination of movements.
- 89** This subclass is indented under subclass 77. Devices applied to window structures.
- 90** This subclass is indented under subclass 89. Devices applied to sliding sashes.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
95+, for similar structure in sliding doors.
- 91** This subclass is indented under subclass 77. Devices applied to doors, generally of substantial construction, such as are normally used in houses, buildings, and vehicular constructions of fairly large proportions.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
78+, for cabinet door locks.
- 92** This subclass is indented under subclass 91. Devices , for doors in which the locking construction is capable of preventing ingress except by proper key or combination control but wherein the securing mechanism may be readily released from the inside of the building.
- 93** This subclass is indented under subclass 91. Devices which provide for a limited opening or positive securement in closed or partly closed condition.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
89+, for similar locks applied to windows.
- SEE OR SEARCH CLASS:
109, Safes, Bank Protection, or a Related Device, subclass 60, for devices to lock the door ajar.
- 94** This subclass is indented under subclass 91. Devices including bars or rods which may be suitably associated with a door and so arranged generally, in an inclined position, as to take into a suitable keeper or to wedgingly engage a floor or part of the door frame to substantially brace the door against opening, and embody lock control operation for releasing condition from the exterior of the door.

SEE OR SEARCH CLASS: 292, Closure Fasteners, subclasses 338+, for nonlocking braces.		102	This subclass is indented under subclass 101. Subject matter, wherein the lock housing and the keeper have cooperating parts which are adapted to interfit in a manner to prevent relative movement.
95	This subclass is indented under subclass 91. Devices having sliding movement.	103	This subclass is indented under subclass 102. Devices having plural dead-bolts.
SEE OR SEARCH THIS CLASS, SUB-CLASS: 90, for similarly operating locking mechanisms for windows.		104	This subclass is indented under subclass 102. Devices having a single sliding dead-bolt.
96	This subclass is indented under subclass 95. Devices wherein the keeper element is always extended for association with the locking construction.	SEE OR SEARCH THIS CLASS, SUB-CLASS: 9, for similar structure in keylock hasps.	
SEE OR SEARCH THIS CLASS, SUB-CLASS: 70, for similar structure in trunks. 79+, for similar structure in cabinet closures.		105	This subclass is indented under subclass 102. Devices having a swinging dead-bolt.
97	This subclass is indented under subclass 96. Subject matter wherein the extending keeper is rigid.	106	This subclass is indented under subclass 102. Devices having a locking latch or latching-bolt.
98	This subclass is indented under subclass 96. Subject matter wherein the keeper may be normally retained in a non-extending position but may be extended for cooperative engagement with the locking structure.	107	This subclass is indented under subclass 101. Subject matter wherein there are incorporated within the same housing both a latching-bolt and a dead-bolt, either independently operable or having cooperative association.
99	This subclass is indented under subclass 95. Subject matter including a projecting or extending bolt which may be received by a keeper.	108	This subclass is indented under subclass 107. Devices having more than one dead-bolt.
100	This subclass is indented under subclass 95. Subject matter wherein the securing element comprises a bolt which may be projected to its operative or extended position.	109	This subclass is indented under subclass 107. Devices having more than one latching-bolt.
SEE OR SEARCH THIS CLASS, SUB-CLASS: 81+, for similar constructions employed in cabinets.		110	This subclass is indented under subclass 107. Subject matter wherein the dead-bolt in its operative position will dog and thereby prevent movement of the latching-bolt.
101	This subclass is indented under subclass 91. Devices, for association with swinging doors.	111	This subclass is indented under subclass 107. Subject matter wherein the latching-bolt may have a manually controllable dogging device.
		113	This subclass is indented under subclass 101. Devices having more than one dead-bolt.
		114	This subclass is indented under subclass 113. Devices wherein one or more of the bolts have either sliding or swinging movement or movement of a character having both sliding and swinging movements embodying lock operation with or without manual operation.

- 115** This subclass is indented under subclass 114. Subject matter wherein the mechanism is controllable or operable only by a combination device or combination of movements.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
286+, for combination operating mechanism characteristic structure.
- 116** This subclass is indented under subclass 114. Subject matter wherein the operation and control is effected by a key operable mechanism only.
- 117** This subclass is indented under subclass 113. Subject matter wherein one or more of the bolts having a sliding and rotary movement to their securing condition.
- SEE OR SEARCH CLASS:
292, Closure Fasteners, subclass 4, for similarly operable plural bolts employed for fastening closures with no significant locking structure.
- 118** This subclass is indented under subclass 113. Devices including such mechanisms as have alternative manual operation and control.
- 119** This subclass is indented under subclass 118. Subject matter, wherein the operation or control is effected by a combination mechanism only.
- 120** This subclass is indented under subclass 118. Subject matter, wherein the operation or control is effected by a key lock only.
- 121** This subclass is indented under subclass 113. Devices having swinging or pivotal movement and may be alternative manual control.
- 122** This subclass is indented under subclass 121. Subject matter wherein the operation and control is effected by a combination mechanism only.
- 123** This subclass is indented under subclass 121. Subject matter wherein the operation and control is effected by key operation only.
- 124** This subclass is indented under subclass 101. Devices having a single dead-bolt.
- 125** This subclass is indented under subclass 124. Devices having both a sliding and swinging movement, and may have alternative manual control.
- 126** This subclass is indented under subclass 125. Subject matter wherein the bolt is operable or controllable by a combination mechanism only.
- 127** This subclass is indented under subclass 125. Subject matter, wherein the bolt is operable or controllable by key controlled mechanism only.
- 128** This subclass is indented under subclass 124. Devices having both a sliding and rotary movement.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
140, for locking mechanism having threading engagement with the keeper.
- 129** This subclass is indented under subclass 124. Devices having a sliding dead-bolt and also includes such mechanisms as may have alternative manual operation and control.
- 130** This subclass is indented under subclass 129. Subject matter wherein the bolt is displaceable in more than one direction.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
83, for similarly moving bolts in cabinet structure locks.
- 131** This subclass is indented under subclass 129. Subject matter wherein there is provided an auxiliary mechanism to cooperate with the keeper to provide an effective interlock between the bolt and keeper, whether the auxiliary securing means is incorporated in the bolt or keeper.
- 132** This subclass is indented under subclass 129. Subject matter wherein the bolt is curved and consequently moves in a curved path in accomplishing its securing function.

- 133** This subclass is indented under subclass 129. Subject matter wherein the operation of the bolt is effected by a combination mechanism only.
- 134** This subclass is indented under subclass 129. Subject matter wherein the operation is effected by key lock operation only.
- 135** This subclass is indented under subclass 124. Subject matter having a swinging dead-bolt including structures having alternative manual operation and control.
- 136** This subclass is indented under subclass 135. Subject matter wherein the operation of the effective portion of the bolt is such as to provide an interlock between the keeper and lock housing.
- 137** This subclass is indented under subclass 135. Subject matter wherein the bolt is provided with a hooked end which attains the securing function with the keeper.
- 138** This subclass is indented under subclass 135. Subject matter wherein the operation of the bolt is effected by a combination mechanism only.
- 139** This subclass is indented under subclass 135. Subject matter wherein the operation is effected by key lock operation only.
- 140** This subclass is indented under subclass 124. Subject matter wherein the securing function is accomplished by an element which is threaded or has threaded engagement with the keeper.
- 141** This subclass is indented under subclass 101. Devices having latch-bolts.
- 142** This subclass is indented under subclass 141. Subject matter including auxiliary mechanism for securing an interlocking relationship between the effective end of the latching-bolt and its keeper.
- 143** This subclass is indented under subclass 141. Subject matter wherein the bolt may be projected beyond its normal biased position to become, in effect, a dead-bolt, thereby requiring an additional manipulation beyond its usual extreme latching condition to assume locked condition and accordingly requiring an additional manipulation to return it to its normal extreme latching condition.
- 144** This subclass is indented under subclass 141. Devices normally biased to latching condition by means of a spring.
- 145** This subclass is indented under subclass 144. Subject matter wherein there is provided an alternative manual operator or manipulator, whereby the device may be used as an ordinary latching construction.
- 149** This subclass is indented under subclass 145. Devices having a manual operator on the exterior side of the door.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
218+, for locking constructions which accomplish a similar effect upon a handle, hand-wheel, or knob, and not specifically associated with locking mechanism of this character.
- 150** This subclass is indented under subclass 145. Subject matter having mechanisms to dog the bolt or its operating connections with the manipulator to prevent retraction of the bolt unless controlled by manual means from the interior side of the door or locking control from the exterior.
- 151** This subclass is indented under subclass 150. Subject matter wherein the dogging function is obtained automatically by the tripping engagement of some control in the closing movement of the door.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
148, for similar structure associated with a dogged external manipulator.
- 152** This subclass is indented under subclass 150. Subject matter wherein the dogging function is obtained by the operation of some manipulator or other manual control.

- 153** This subclass is indented under subclass 150. Subject matter wherein the dogging function is effective only upon the operating connections between the manipulator and the bolt.
- 154** This subclass is indented under subclass 141. Subject matter wherein the bolt is projected by the effect of gravity, and may have alternative manual control.
- 155** This subclass is indented under subclass 154. Devices having the projecting mechanism controlled by a lock.
- 156** This subclass is indented under subclass 141. Subject matter wherein the locking mechanism may be a combination or key controlled device, either alternatively or concurrently.
- 157** This subclass is indented under subclass 156. Subject matter wherein the bolt is released by tripping detents, pawls or catches which cooperate with the bolt, the door or the door jamb.
- 158** This subclass is indented under subclass 77. Devices , for covers, lids, caps, or encasing shields, adapted normally to prevent access to the interior of some receptacle, to encase some other device, etc., other than trunk and suitcase covers, cabinet closures, windows, doors, and automobile hoods, wherein there is only sufficient modification of the cover, lid, etc. as to accommodate the lock devices or construction.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
 178, for valve encasing cover locks.
 232, for knob encasing cover locks.
- SEE OR SEARCH CLASS:
 215, Bottles and jars, subclass 207, for locks for bottle caps.
 220, Receptacles, subclasses 55+, 86.1+, and 315+ for metallic closures having structure beyond that necessary to mount or position a lockable closure or to cooperate with a lock.
- 159** This subclass is indented under subclass 158. Subject matter , in which the cover is pivoted.
- 160** This subclass is indented under subclass 159. Subject matter , wherein the lock is carried by the cover.
- 161** This subclass is indented under subclass 160. Devices embodying deadbolts.
- 162** This subclass is indented under subclass 160. Devices embodying latching bolts.
- 163** This subclass is indented under subclass 158. Subject matter , wherein the cover is removable from its seat.
- 164** This subclass is indented under subclass 163. Subject matter wherein the locking mechanism is located outside of the cover.
- 165** This subclass is indented under subclass 163. Subject matter wherein the cover when freely movable is seated and locked.
- 166** This subclass is indented under subclass 163. Subject matter in which the cover is set directly upon its seat.
- 167** This subclass is indented under subclass 166. Subject matter wherein the lock is carried by the cover.
- 168** This subclass is indented under subclass 167. Devices including deadbolts.
- 169** This subclass is indented under subclass 167. Devices including latchbolts.
- 170** This subclass is indented under subclass 163. Subject matter wherein the cover prior to its final disposal upon its seat is moved to a predetermined subsequent engagement.
- 171** This subclass is indented under subclass 170. Subject matter wherein the lock is carried by the cover.
- 172** This subclass is indented under subclass 171. Devices including deadbolts.
- 173** This subclass is indented under subclass 171. Devices including latchbolts.

- 174** This subclass is indented under subclass 57. Subject matter associated with or carried by control and machine elements, wherein the control or machine element is only sufficiently modified to accommodate the locking construction.
- 175** This subclass is indented under subclass 174. Subject matter relating to valve construction.
- SEE OR SEARCH CLASS:
137, Fluid Handling, subclasses 384.2+, for locking mechanism, which provides a handle or manipulator for the valve in unlocked condition, the moving of the lock manipulator simultaneously operates the valve or there is specific, significant valve structure.
- 176** This subclass is indented under subclass 175. Subject matter wherein the valve is secured in stationary position when locked.
- 177** This subclass is indented under subclass 176. Devices comprising an external device brought into suitable engagement with a part of the valve.
- 178** This subclass is indented under subclass 177. Subject matter wherein there is an encasing cover or part which prevents movement of the valve and access to an operating portion thereof.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
158+, for encasing locking shields.
- SEE OR SEARCH CLASS:
126, Stoves and Furnaces, subclass 42, for encasing mechanisms which prevent operation of gas stove burner valves.
- 179** This subclass is indented under subclass 176. Devices having the locking mechanism carried by the valve housing.
- 180** This subclass is indented under subclass 176. Devices having a padlock.
- 181** This subclass is indented under subclass 174. Devices for securing shiftable or reciprocatory rods.
- 182** This subclass is indented under subclass 174. Devices applied to a rotary shaft.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
252, for shaft locks applied to automotive vehicles and which include a switch as an additional feature.
- 183** This subclass is indented under subclass 182. Devices which secure the shaft in stationary condition.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
176, for similarly operating devices in valve locks.
210, for such structure in knob-locks.
- 184** This subclass is indented under subclass 183. Subject matter wherein the locking mechanism is carried by a casing, housing or bearing for the shaft.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
179, for similar structure in valve locks.
- 185** This subclass is indented under subclass 184. Subject matter having dead-bolts.
- 186** This subclass is indented under subclass 184. Subject matter having latch bolts.
- 187** This subclass is indented under subclass 183. Subject matter wherein the locking mechanism is carried by the shaft itself.
- 188** This subclass is indented under subclass 182. Subject matter wherein the prime mover portion of the shaft will move freely when locked without transmitting force to the effective portion.
- 189** This subclass is indented under subclass 188. Subject matter wherein there is a clutching mechanism for connecting and disconnecting the two portions of the shaft and the clutching mechanism is carried by the shaft.
- 190** This subclass is indented under subclass 174. Devices relating to associatin with gear mechanism.

- 191** This subclass is indented under subclass 190. Subject matter wherein the gear is of planetary type.
- 192** This subclass is indented under subclass 174. Devices relating to levers.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
207+, for levers which are operating connection for a handle or other similar manipulator and the ultimate effect is to prevent manipulation of the handle, etc.
- 193** This subclass is indented under subclass 192. Devices in which there is a guide for the lever.
- 194** This subclass is indented under subclass 193. Devices in the form of a quadrant or of arcuate configuration.
- 195** This subclass is indented under subclass 194. Subject matter wherein the locking device is carried by the lever.
- 196** This subclass is indented under subclass 193. Devices having a fixed keeper to which or in which the lever is received.
- 197** This subclass is indented under subclass 196. Subject matter wherein the locking device is carried by the lever.
- 198** This subclass is indented under subclass 192. Subject matter wherein the locking mechanism secures more than one lever concurrently.
- 199** This subclass is indented under subclass 198. Subject matter wherein the locking mechanism is externally supported with respect to the levers.
- 200** This subclass is indented under subclass 199. Devices including a padlock.
- 201** This subclass is indented under subclass 192. Devices for a single lever.
- 202** This subclass is indented under subclass 201. Subject matter wherein the device is externally disposed with respect to the lever.
- 203** This subclass is indented under subclass 202. Devices including a padlock.
- 204** This subclass is indented under subclass 201. Subject matter wherein the lever comprises disconnectible, lock retained portions.
- 205** This subclass is indented under subclass 201. Subject matter wherein the lever comprises foldable lock retained sections.
- 206** This subclass is indented under subclass 201. Devices universally mounted, lock fixed or resisted.
- 207** This subclass is indented under subclass 174. Devices of the character of handles, hand-wheels or knobs.
- 208** This subclass is indented under subclass 207. Devices, lock seated in a concavity or disposed in such position against a body with which it is associated, it may not be grasped by a hand for manipulation.
- 209** This subclass is indented under subclass 207. Subject matter wherein the controlling function is accomplished by rotation or swinging.
- 210** This subclass is indented under subclass 209. Devices secured in stationary condition.
- 211** This subclass is indented under subclass 210. Devices in which the securing mechanism is external to the manipulator.
- 212** This subclass is indented under subclass 211. Devices including a padlock.
- 213** This subclass is indented under subclass 210. Devices in which the control mechanism is a combination lock.
- 214** This subclass is indented under subclass 213. Devices including a plurality of selectively operable push pins.
- 215** This subclass is indented under subclass 210. Devices wherein the locking mechanism comprises a key controlled lock carried by the manipulator.

- 216 This subclass is indented under subclass 215. Devices having the key lock coaxially mounted with respect to the manipulator.
- 217 This subclass is indented under subclass 216. Devices in which the securing medium comprises an axially movable bolt.
- 218 This subclass is indented under subclass 209. Devices wherein the manipulator when locked will freely move so as to have no effect upon the portion normally associated with it for the transmission of force or power.
- 219 This subclass is indented under subclass 218. Devices including a combination controlled lock.
- 220 This subclass is indented under subclass 219. Devices employing a plurality of push pins or buttons.
- 221 This subclass is indented under subclass 218. Devices in which the locking mechanism comprises a key lock which is supported in the manipulator.
- 222 This subclass is indented under subclass 221. Devices including a coaxially disposed clutching connection between two relatively movable portions of the securing mechanism.
- 223 This subclass is indented under subclass 222. Devices being axially shiftable.
- 224 This subclass is indented under subclass 207. Devices which involve the particular association of the lock control with the manipulator.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
367+, for arrangements for securing cylinder locks in removable association.
- 225 This subclass is indented under subclass 174. Devices associated with a load supporting or ground traversing wheel.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
18, for portable wheel locking devices, usually identified as “chocks”, which may hamper the normal free rotative movement or travel of a wheel.
- 226 This subclass is indented under subclass 225. Devices to prevent the free rotation of the wheel.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
15, for fetters.
20+, for padlocks which may be applied to a wheel to prevent its rotation.
30, for padlocked flexible shackles.
49, for key controlled flexible shackles.
58+, for similar devices for other portable articles.
234, for cycle anchors.
259+, for spar tire or wheel locks.
- 227 This subclass is indented under subclass 226. Devices to traverse the gap between the spokes of a wheel.
- 228 This subclass is indented under subclass 226. Devices of the brake type.
- 229 This subclass is indented under subclass 174. Devices specifically designed for association with a bolt, nut, stud, or stud-cap employed to fasten two parts together.
- 230 This subclass is indented under subclass 229. Devices having a fixed or interlocked relationship between the two parts.
- 231 This subclass is indented under subclass 229. Devices wherein when the locking function is accomplished there is free relative movement between the parts sought to be secured.
- 232 This subclass is indented under subclass 229. Devices incased to preclude access thereto in locked condition.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
158+, and 178+, for similarly functioning constructions.
- 233 This subclass is indented under subclass 57. Devices applicable to ground traversing cycles of the character of bicycles, tricycles, etc., wherein locomotion is prevented.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:
 182+, for locking mechanisms for steering posts of cycles which are in effect rotary shafts.
 207+, for locking mechanisms designed to prevent the free operation of the usual steering handle or to provide for free relative movement between the handle and the shaft to prevent controllable steering of the cycle.
- 234** This subclass is indented under subclass 233. Devices including fixation anchors.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
 15, for fetters.
 58+, for similar portable article securing devices.
 225+, for securing the wheel of a cycle.
- 235** This subclass is indented under subclass 233. Devices associated with locking stands, usually carried by the cycle to maintain it in a locked position on the stand.
- SEE OR SEARCH CLASS:
 280, Land Vehicles, subclass 297, for particular props or steadying devices combined with locking means.
- 236** This subclass is indented under subclass 233. Devices securing portions of the usual driving mechanism.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
 190, for locking means for gears.
- 237** This subclass is indented under subclass 57. Devices which secure some part or parts of self-motivated vehicles of the character of automobiles, motor boats, air vehicles, submerged vehicles.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
 174+, for parts of the automotive vehicle which may take the form of a machine or control element of general application in other relationships.
- SEE OR SEARCH CLASS:
 105, Railway Rolling Stock, subclass 395, for safety securing mechanisms for railway cars.
 180, Motor Vehicles, subclasses 287+ for a motor vehicle provided with a safety-promoting means which is for the purpose of preventing unauthorized or unintended access to or use of the vehicle, and note that in indented subclass 289 the means comprises a device, mechanism, or system which may operate a locking means for a movable or removable closure member of the vehicle.
- 238** This subclass is indented under subclass 237. Devices to secure two or more moving parts.
- 239** This subclass is indented under subclass 238. Devices including an electric switch.
- 240** This subclass is indented under subclass 237. Devices preventing opening of an encasing member, such as a hood.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
 158+, for locking means employed in or with covers and encasing shields.
- 241** This subclass is indented under subclass 240. Devices including an electric switch.
- 242** This subclass is indented under subclass 237. Devices including a valve controlling transmission of the fuel.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
 175, through 180, for similar locking devices.
- 243** This subclass is indented under subclass 242. Devices including an electric switch.
- 244** This subclass is indented under subclass 242. Devices includes securing mechanism for a cap or cover of the filling or inlet port of a fuel container.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:
158+, for cover locks which may be applied to covers of fuel tanks.
- 245** This subclass is indented under subclass 237. Devices applied to a movable part of a transmission.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
192+, for devices applied to the shifting lever.
- 246** This subclass is indented under subclass 245. Devices which secure the cover of the transmission to the body thereof.
- 247** This subclass is indented under subclass 245. Devices wherein the transmission is of the selective type embodying shift rods, forks or blocks.
- 248** This subclass is indented under subclass 247. Devices including an electric switch.
- 249** This subclass is indented under subclass 245. Subject matter relating to transmissions of the planetary type.
- 250** This subclass is indented under subclass 249. Devices including an electric switch.
- 251** This subclass is indented under subclass 245. Devices including an electric switch.
- 252** This subclass is indented under subclass 237. Devices includes steering gear, or steering arm, and a circuit maker and breaker for controlling an electrical circuit.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
182+, for steering shaft locking mechanism.
- 253** This subclass is indented under subclass 237. Subject matter relating to the pilot wheel or its control linkage from force applied to the steering gear, the securement being effected upon a part beyond the steering arm.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
14+, for portable securing devices which may be so applied.
- 254** This subclass is indented under subclass 237. Subject matter relating to control levers with which there may be associated an electric switch.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
192+, for locking mechanism for levers.
- 255** This subclass is indented under subclass 237. Devices for controlling in addition to an electric switch, some element other than those hereinbefore provided for.
- 256** This subclass is indented under subclass 237. Devices for remote control elements.
- 257** This subclass is indented under subclass 256. Devices including an electric switch.
- 258** This subclass is indented under subclass 237. Devices for accessories.
- 259** This subclass is indented under subclass 258. Devices applicable to the spare or mounted wheel or tire.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
14+, for portable devices as fetters, shackles, and clamps.
158+, for cover locks.
225+, for wheel locks.
234, for cycle anchors.
- SEE OR SEARCH CLASS:
224, Package and Article Carriers, subclasses 400+, for disclosures involving fender wells.
- 260** This subclass is indented under subclass 259. Devices relating to the spare or mounted tire or rim only.
- 261** This subclass is indented under subclass 57. Devices for seats to prevent the use thereof as seats.

- 262** This subclass is indented under the class definition. Systems of locking mechanisms wherein the ultimate control is a locking mechanism although intermediate controls may be by manual or locking means or wherein a plurality of locking mechanisms may be controlled in a certain predetermined specified order, where the individual locking construction is not of the essence.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
337+, for arrangements which involve a plurality of operating implements such as keys which may have primary and/or subsidiary controlling effects.
- SEE OR SEARCH CLASS:
49, Movable or Removable Closures, subclasses 15+ for lock systems for jail type closures.
180, Motor Vehicles, subclass 289 for a motor vehicle provided with a safety-promoting means which is for the purpose of preventing unauthorized or unintended access to or use of the vehicle and wherein the means comprises a device, mechanism, or system which may operate a locking means for a movable or removable closure member of the vehicle.
- 263** This subclass is indented under subclass 262. Subject matter arranged in such relationship as to involve the operation and control.
- 264** This subclass is indented under subclass 263. Subject matter wherein one or more of a plurality of locking devices or subsidiary devices are operable from a central locking control.
- SEE OR SEARCH CLASS:
312, Supports: Cabinet Structure, subclass 215 for cabinets with a plurality of locked or latched components which can be unlatched or unlocked from a central location.
- 265** This subclass is indented under subclass 263. Devices which require successive or serial operation and control.
- 266** This subclass is indented under the class definition. Subject matter relating to the operating elements in cooperative combination.
- 267** This subclass is indented under subclass 266. Devices including mechanism providing for operation after a predetermined time interval has elapsed, the locking mechanism being primarily under the control of the time mechanism.
- 268** This subclass is indented under subclass 267. Subject matter wherein the delay interval is positively initiated by some movement or control of the locking mechanism or in response to the completion of the operation of the locking mechanism.
- 269** This subclass is indented under subclass 268. Subject matter in which the ultimate locking mechanism release is effected at the end of a predetermined time interval.
- 270** This subclass is indented under subclass 268. Subject matter in which the releasing interval is automatically repeated permitting of release of the locking mechanism at predetermined repeating intervals.
- 271** This subclass is indented under subclass 267. Subject matter in which the motivating means comprises some electrical means.
- 272** This subclass is indented under subclass 267. Subject matter wherein the control elements are essentially of clockwork construction.
- 273** This subclass is indented under subclass 272. Devices which operate continuously once initiated.
- 274** This subclass is indented under subclass 273. Devices embodying emergency releasing mechanisms in the event of failure of the clockwork control.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
465, for similar releasing mechanisms provided in the event of emergencies.

- 275 Using a powered device (e.g., motor):**
This subclass is indented under subclass 266.
Subject matter including an apparatus, such as a rotating machine that transforms electrical energy to mechanical energy, that uses a motivating energy.
- (1) Note. Included in this subclass are machines that use electrical, hydraulic, chemical, or mechanical energy to open or close a locking device.
- 276** This subclass is indented under subclass 275.
Devices embodying a permanent magnet.
- 277 Electrical type (e.g., solenoid):**
This subclass is indented under subclass 275.
Subject matter having a motivating energy using voltage and amperage.
- SEE OR SEARCH CLASS:
361, Electricity: Electrical Systems and Devices, subclass 172 for control circuits for electromagnetic devices noting code responsive plural relays or solenoids sequentially operated.
- 278.1 Actuated after correct combination recognized (e.g., numerical, alphabetical, or magnet(s) pattern):**
This subclass is indented under subclass 277.
Subject matter in which the mechanism is energized after the prearranged secret code is entered or solved.
- 278.2 Including use of a key:**
This subclass is indented under subclass 278.1.
Subject matter in which the specially contrived implement is also necessary to operate the mechanism.
- 278.3 Key rotated (e.g., Eurocylinder):**
This subclass is indented under subclass 278.2.
Subject matter in which an implement receiving portion can turn or revolve about an axis defined by the implement.
- 278.4 Using a dial having indicia or pointer and indicia:**
This subclass is indented under subclass 278.1.
Subject matter in which (a) a rotatable disk containing numbers or letters or (b) a rotatable, short, slender rod directed to a particular number or letter is used.
- 278.5 Plural interdependent or plural independently operable tumbler sets:**
This subclass is indented under subclass 278.4.
Subject matter wherein the operating mechanism has at least two rotatable disks or rods which are configured to function sequentially or separately.
- 278.6 With mechanism having rocker arm or linked bars:**
This subclass is indented under subclass 278.4.
Subject matter in which the operating elements include a lever weighed at one end or pivoted, solid, straight pieces that are longer than they are wide.
- 278.7 And details of blocking system (e.g., linkage, latch, pawl, spring):**
This subclass is indented under subclass 277.
Subject matter in which the design of the structural components determine the operation of the mechanism.
- 279.1 And alternately mechanically actuated by a key, dial, etc.:**
This subclass is indented under subclass 277.
Subject matter in which the unlocking may be accomplished either by the motivating energy or by a specially contrived implement, a rotatable disk containing numbers, or letters, etc.
- 280** This subclass is indented under subclass 277.
Devices which both project and retract the securing element or bolt.
- 281** This subclass is indented under subclass 277.
Subject matter wherein the securing element is only electrically projected.
- 282** This subclass is indented under subclass 277.
Subject matter wherein the securing element is only electrically retracted.
- 283** This subclass is indented under subclass 277.
Subject matter wherein the ultimate effect in locking condition is to prevent the movement of a manually controlled operator or manipulator, by means of a detent of the pawl or catch type.

- 283.1 Key initiated actuation of device:**
This subclass is indented under subclass 277.
Subject matter in which the specially contrived implement is necessary to allow the motivating energy to begin.
- 284** This subclass is indented under subclass 266.
Devices having both a combination of movements and a key or keys.
- 285** This subclass is indented under subclass 266.
Devices having either combination of movements or a key or keys, but wherein both are present.
- 286** This subclass is indented under subclass 266.
Devices having a combination of movements to effect release.
- 287** This subclass is indented under subclass 286.
Devices having individual blocking elements.
- 288** This subclass is indented under subclass 287.
Subject matter wherein the elements must be selectively operated in a predetermined order.
- 289** This subclass is indented under subclass 286.
Devices involving complex movements, or of the puzzle type normally inaccessible to the public or beyond the knowledge of the public.
- SEE OR SEARCH CLASS:
206, Special Receptacle or Package, subclass 1.5, for special receptacles combined with puzzle type fastenings for their closures.
- 290** This subclass is indented under subclass 289.
Subject matter wherein complex movement or puzzle effect is obtained by the employment of a labyrinthian passage.
- 291** This subclass is indented under subclass 286.
Subject matter wherein tumblers are employed as the immediate impeding elements.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
323+, for specific tumbler structure.
- 292** This subclass is indented under subclass 291.
Devices having plural sets of tumblers having interdependent function.
- 293** This subclass is indented under subclass 291.
Devices having a plurality of sets of tumblers, each independently operable.
- 294** This subclass is indented under subclass 291.
Devices having a single tumbler set.
- 295** This subclass is indented under subclass 294.
Devices with ball or roller means as primary or auxiliary blocking or impeding elements.
- 296** This subclass is indented under subclass 294.
Subject matter wherein the tumblers are sliding and include transmission of motion from one tumbler to the other.
- 297** This subclass is indented under subclass 294.
Subject matter embodying a single sliding tumbler set each of the tumblers being individually set to its releasing condition.
- 298** This subclass is indented under subclass 297.
Subject matter wherein the tumblers are so disposed that they are readily accessible and are set by manual operation.
- 299** This subclass is indented under subclass 297.
Devices including movable mechanism or devices for imparting motion to the individual tumblers. Includes movable or shiftable selectors as well as permanently associated individual operators.
- 300** This subclass is indented under subclass 299.
Subject matter wherein the mechanism or device is removable.
- 301** This subclass is indented under subclass 294.
Subject matter embodying a single tumbler set each of the tumblers being rotated or swung to its releasing condition.
- 302** This subclass is indented under subclass 301.
Devices in which setting movement is transmitted from one tumbler to the other.
- 303** This subclass is indented under subclass 302.
Subject matter wherein in the ultimate releasing setting, the tumblers are released or dropped off to a position of rest.

- 304** This subclass is indented under subclass 301. Devices in which each of the tumblers may be individually set.
- 305** This subclass is indented under subclass 304. Devices having a selecting mechanism outside of the tumbler set associated with a selected tumbler for transmitting motion thereto.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
299, for similar operators of the selector type employed with sliding tumblers.
- 306** This subclass is indented under subclass 304. Devices having a movable operator external to the tumbler set.
- 307** This subclass is indented under subclass 306. Devices in which the operator is removable.
- 308** This subclass is indented under subclass 306. Devices embodying as movement transmitting means a pin or rod and slot connection.
- 309** This subclass is indented under subclass 306. Subject matter wherein the tumblers are disposed upon a spindle which in its rotary movements is the means for setting each of the individual tumblers.
- 310** This subclass is indented under subclass 309. Devices, the spindles being arranged in concentric relation.
- 311** This subclass is indented under subclass 309. Devices wherein the spindle is axially shiftable to select a particular tumbler.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
305, for similar construction wherein the selecting medium is outside of the tumbler set.
- 312** This subclass is indented under subclass 304. Devices, the tumblers being individually manually operable.
- 313** This subclass is indented under subclass 286. Subject matter wherein the releasing operation is effected by a predetermined succession of operating movements embodying successive impacts or shifting of the operating mechanism.
- 314** This subclass is indented under subclass 286. Devices in which there is embodied structure for upsetting the normal releasing combination either upon release of the mechanism or immediately subsequently thereto.
- 315** This subclass is indented under subclass 286. Subject matter wherein there is provision for changing of the combination without undue disassembling of the locking mechanism.
- 316** This subclass is indented under subclass 315. Subject matter wherein the changing of the combination is effected by relative movement of portions of tumblers formed of more than one part.
- SEE OR SEARCH CLASS:
83, Cutting, subclasses 838+ for securing means for saw tooth fastening.
- 317** This subclass is indented under subclass 316. Devices in which some fastener or holder means is provided to maintain the relatively disposable portions in rigid or fixed relation.
- 318** This subclass is indented under subclass 316. Devices in which there is a pin or stud and socket provision for uniting the relatively movable parts.
- 319** This subclass is indented under subclass 315. Devices including a removable change element.
- 320** This subclass is indented under subclass 286. Subject matter relating to the operating elements.
- 321** This subclass is indented under subclass 320. Subject matter which normally blocks movement of a securing mechanism and embodies an extension which is normally maintained separate from the tumbler mechanism and for which provision is made in the tumblers to be received therein to: (1) effect release of the mechanism secured; or (2) to transmit releasing movement from the tumblers to the securing element to effect release of the lock.

- 322** This subclass is indented under subclass 321. Devices supported by the lock housing or the bolt.
- 323** This subclass is indented under subclass 320. Subject matter relating to tumbler structure and position.
- 324** This subclass is indented under subclass 323. Devices nested within each other so as to provide for compactness.
- 325** This subclass is indented under subclass 323. Subject matter wherein a plurality of tumblers have variant diameters so as to provide for readier individual accessibility or compact disposition.
- 326** This subclass is indented under subclass 323. Subject matter relating to mounting means for the reception of tumblers of locks, or the support or mounting of the tumblers.
- 327** This subclass is indented under subclass 323. Subject matter relating to mechanism for restraining the motion of a tumbler so as to maintain it in a position of rest while other tumblers are manipulated.
- 328** This subclass is indented under subclass 327. Subject matter wherein the restraint is effected by friction.
- 329** This subclass is indented under subclass 320. Subject matter relating to operating spindles for controlling the movements of tumblers.
- SEE OR SEARCH CLASS:
292, Closure Fasteners, subclass 358, for latch spindles which may have similar structural characteristics.
- 330** This subclass is indented under subclass 320. Devices comprising visible or audible indicators to aid in accomplishing the combination of movements necessary in the setting of a combination lock to effect release thereof.
- 331** This subclass is indented under subclass 330. Devices in the form of a portable guide, either visual or contactual.
- 332** This subclass is indented under subclass 330. Devices comprising visible dials.
- 333** This subclass is indented under subclass 286. Mechanisms to prevent tampering with the operating mechanism or any static means designed to prevent an attack by an unauthorized force or by destructive heat.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
1.5+, for devices which upon attack by an unauthorized force impose an additional impediment to the operation of a lock.
416+, for similar devices intended for association with key locks.
- 334** This subclass is indented under subclass 333. Mechanisms producing audible sounds to confuse and to prevent possible determination of the combination by audible sounds emitting from the conventional structure in its normal operation.
- 336** This subclass is indented under subclass 266. Subject matter wherein the impeding structure is overcome or operated by internal mechanism.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
393+, for a key, which is the operating implement.
- 337** This subclass is indented under subclass 336. Subject matter requiring a plurality of keys for successful operation of the operating mechanism.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
262+, for systems of locking mechanisms designed for cooperative utility.
- 338** This subclass is indented under subclass 337. Subject matter wherein operation by one key may selectively shut out or prevent successful subsequent operation by another key.

- 339** This subclass is indented under subclass 337. Devices in which the concurrent or simultaneous employment of two or more keys to effect release is necessary.
- 340** This subclass is indented under subclass 337. Devices one of which keys is capable of releasing any other of a series of similar operating mechanisms effected by individual keys specifically fitted to each individual operating mechanism.
- 341** This subclass is indented under subclass 340. Subject matter wherein there is provision for the shutting out of the change-key under the control of the master-key.
- 342** This subclass is indented under subclass 340. Devices in which a sub-master-key may be provided for each of one or more groups of locking operating mechanisms of a series and for which a master-key may be provided for operating the entire series.
- 343** This subclass is indented under subclass 342. Subject matter wherein the change-key may be effectively shut out by control of the operating mechanism by either the particular group sub-master- or the entire series master-key.
- 344** This subclass is indented under subclass 336. Subject matter wherein a single key is employed to effect release of the operating mechanism.
- 345** This subclass is indented under subclass 344. Subject matter wherein the blocking or impeding means are key guide ways and in which the releasing effect is accomplished by a simple push or pull of the key.
- 346** This subclass is indented under subclass 344. Devices including projections or blocking impediments integrally formed or rigidly associated with some portion of the lock mechanism and which must be passed by corresponding complementary spaces provided upon the key before release of the securing element may be effected.
- 347** This subclass is indented under subclass 344. Devices having both tumblers and wards as impediments to release the mechanism.
- 348** This subclass is indented under subclass 344. Devices having a plurality of movable tumblers.
- 349** This subclass is indented under subclass 348. Devices which are both sliding and rotary or sliding and swinging.
- 350** This subclass is indented under subclass 348. Devices which are movable in sliding relation.
- 351** This subclass is indented under subclass 350. Devices movable longitudinally of the bolt to effect release or securement of the bolt or securing element.
- 352** This subclass is indented under subclass 350. Devices movably transversely of the bolt to effect release or securement of the bolt or securing element.
- 353** This subclass is indented under subclass 348. Subject matter wherein the tumblers are rotary or swinging.
- 354** This subclass is indented under subclass 353. Subject matter wherein the tumblers are in a single set, indirectly actuated by key and dog mechanisms which restrain movement of the tumblers released by the same sweep of the key.
- 355** This subclass is indented under subclass 354. Subject matter wherein the tumblers are directly engaged by the bit of the key.
- 356** This subclass is indented under subclass 348. Subject matter wherein the impeding structure comprises a cylindric unit structure adapted to receive the key and with which may be associated externally of such unit, auxiliary tumblers and/or wards.
- 357** This subclass is indented under subclass 348. Subject matter wherein the impeding structure is incorporated in a cylindric unit adapted for association with other structures commonly called "yale type".
- 358** This subclass is indented under subclass 357. Subject matter wherein the cylinder is provided with a plurality of tumbler sets which must be

- concurrently set to effect release of the movable portion of the cylinder.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
337+, for cylinder lock mechanism requiring more than one key for operation.
- 359** This subclass is indented under subclass 357. Subject matter wherein the tumblers are concentrically disposed.
- 360** This subclass is indented under subclass 357. Subject matter wherein the cylinder includes a plug which has both sliding and rotary movement with respect to the cylinder.
- 361** This subclass is indented under subclass 357. Subject matter wherein the movable part comprises a sliding plug.
- 365** This subclass is indented under subclass 362. Devices in which swinging tumblers are employed as the impeding elements to prevent rotation between the plug and cylinder.
- 366** This subclass is indented under subclass 365. Devices in which the tumblers are movable transversely of the plug.
- 367** This subclass is indented under subclass 357. Subject matter wherein there is a special provision made for separable ready assembly of the plug with the cylinder.
- 368** This subclass is indented under subclass 367. Devices in which release and consequent removal of the plug from the cylinder is effected by both a key and a tool.
- 369** This subclass is indented under subclass 367. Subject matter wherein release and consequent removal of the plug from the cylinder is effected by a key only.
- 370** This subclass is indented under subclass 357. Subject matter wherein special provision is made for attaching or mounting the cylinder for association with some other structure controlled by the cylinder mechanism.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
224, for special cylinder mounting arrangements applicable to manipulators such as knobs, handles, etc.
- SEE OR SEARCH CLASS:
248, Supports, subclasses 27.1+, for devices for holding an instrument in a panel board opening, including those patents in which the instrument casing is modified solely for mounting means.
- 371** This subclass is indented under subclass 357. Subject matter wherein the entire cylinder constitutes a detachable or removable unit.
- 372** This subclass is indented under subclass 357. Subject matter comprising operating elements, parts and adjuncts.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
406, for cylinder lock keys of special construction.
- 373** This subclass is indented under subclass 372. Subject matter wherein the salient feature resides in the cylinder structure, per se.
- 374** This subclass is indented under subclass 373. Subject matter wherein the cylinder is formed of relatively adjustable portions.
- 375** This subclass is indented under subclass 372. Subject matter relating to specially constructed plugs or plug parts.
- SEE OR SEARCH CLASS:
29, Metal Working, subclass 38 for apparatus for making plugs.
72, Metal Deforming, appropriate subclasses, for a process of shaping a one piece blank by deforming it, with or without cutting it.
- 376** This subclass is indented under subclass 372. Devices in the form of movable parts.

- SEE OR SEARCH CLASS:
29, Metal Working, subclass 445 for processes of sizing tumblers in situ in the lock.
- 377** This subclass is indented under subclass 376. Devices comprising a plate or plates.
- 378** This subclass is indented under subclass 376. Devices of pin or rod material.
- 379** This subclass is indented under subclass 372. Devices comprising connections whereby force or power may be suitably transmitted to an associated securing device.
- 380** This subclass is indented under subclass 379. Devices comprising a cam or cam type of rigid or movable element.
- 381** This subclass is indented under subclass 372. Devices comprising rings spacing the flange of the exterior part of the cylinder from its supporting structure and at the same time acting as trimming in the form of an escutcheon.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
452, for other escutcheons for key operated locking mechanisms.
- 382** This subclass is indented under subclass 336. Subject matter wherein there is embodied mechanism permitting of a variation or change of the predetermined combination required to accomplish release of the lock mechanism.
- 383** This subclass is indented under subclass 382. Subject matter wherein the changing or varying mechanism is automatically responsive to the combination of bitting of the key.
- 384** This subclass is indented under subclass 382. Subject matter the variation or change is accomplished by relative adjustments of portions of the tumblers which may be suitably retained in adjusted condition.
- 385** This subclass is indented under subclass 384. Subject matter wherein there is employed a removable combination change implement.
- 386** This subclass is indented under subclass 336. Subject matter wherein a ball or roller is employed as an impeding element, or as an ancillary impeding element.
- 387** This subclass is indented under subclass 336. Devices in which the ultimate releasing effect is accomplished by a simple push or pull of the key.
- 388** This subclass is indented under subclass 336. Devices including a mechanism which forcibly ejects the key upon completion of the function of the key.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
414, for keys embodying ejecting features.
- 389** This subclass is indented under subclass 336. Devices including a mechanism designed to restrain removal of the key until a predetermined primary manipulation is effected.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
441, for key removal prevention designed to direct the attention of the user to a condition which is not desired.
- SEE OR SEARCH CLASS:
194, Check-Actuated Control Mechanisms, subclass 51, 59 and 65, for coin or check controlled devices of this character.
- 390** This subclass is indented under subclass 336. Devices including mechanism to positively retain or trap a false or picking key or implement which may be inserted in the usual guide way or passage provided for the key.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
439, for devices which do not positively retain or trap the key but which will immediately indicate to the user of the proper key, tampering with the lock.
- 391** This subclass is indented under subclass 336. Subject matter relating to operating elements.

	SEE OR SEARCH THIS CLASS, SUB-CLASS: 372, for operating elements employed in cylinder type lock operating mechanism.		81, Tools, subclass 15.9 for picking tools other than keys.
392	This subclass is indented under subclass 391. Subject matter relating to tumblers.	395	This subclass is indented under subclass 393. Devices embodying formation of more than one part.
	SEE OR SEARCH THIS CLASS, SUB-CLASS: 376+, for cylinder lock operating mechanism tumblers.	396	This subclass is indented under subclass 395. Devices in which the shank or stem is foldable to provide a more compact structure in nonuse.
393	This subclass is indented under subclass 391. Devices embodying keys.	397	This subclass is indented under subclass 395. Subject matter wherein the shank or stem has relatively movable parts to provide for extensibility for use and collapsibility in nonuse.
	SEE OR SEARCH THIS CLASS, SUB-CLASS: 277, for keys provided with electricity conducting and nonconducting portions.	398	This subclass is indented under subclass 395. Subject matter wherein the bit or effective release or operating portion is slidable with respect to the shank or stem.
	SEE OR SEARCH CLASS:	399	This subclass is indented under subclass 395. Subject matter wherein the bit or releasing or operating portion is pivoted or swings with respect to the shank or stem.
	7, Compound Tools, subclass 170, for key combined with tools.	400	This subclass is indented under subclass 395. Subject matter wherein one key is nested within the other, both of which constitute a single or unit operative implement.
	40, Card, Picture, or Sign Exhibiting, subclass 330, for keys merely carrying indicia.	401	This subclass is indented under subclass 393. Devices having plural shanks, plural stems or plural bit wings.
	76, Metal Tools and Implements, Making, subclass 110, for key blanks.	402	This subclass is indented under subclass 393. Devices of single shank or stem construction. Includes keys of flexible construction.
	81, Tools, subclass 122, for watch and clock winding keys.	403	This subclass is indented under subclass 402. Subject matter wherein the shank or stem is round and rigid.
	250, Radiant Energy, subclass 466.1 for keys or attachment therefor having luminous fluorescent or phosphorescent material, and subclasses 483.1+ for fluorescent or phosphorescent devices generally.	404	This subclass is indented under subclass 403. Devices of round, tubular cross-sectional configuration.
394	This subclass is indented under subclass 393. Devices embodying provision effecting authorized release of a conventional lock structure or lock operating mechanism by insertion and manipulation in the usual key way, in the absence of the usual proper key.	405	This subclass is indented under subclass 402. Subject matter wherein said shank or stem is flat and rigid.
	SEE OR SEARCH CLASS: 33, Geometrical Instruments, subclasses 39+ for gauges for determining tumbler combinations.	406	This subclass is indented under subclass 405. Devices for employment with cylinder lock operating mechanism.
	72, Metal Deforming, subclasses 435+ for similar mechanisms used in forging.		

- 407** This subclass is indented under subclass 402. Devices of irregular nonplanar or undulated configuration, generally helical, bent or twisted.
- 408** This subclass is indented under subclass 393. Subject matter relating to bow or head portions of keys.
- 409** This subclass is indented under subclass 393. Subject matter relating to that portion of the key which actually effects setting of tumblers or passage of the effective releasing portion of the key past wards.
- 410** This subclass is indented under subclass 409. Devices having frangible parts whereby the resulting combination may be effected by simply breaking away the frangible parts.
- 411** This subclass is indented under subclass 409. Devices including variable or changeable parts to change the effective combination of the key.
- 412** This subclass is indented under subclass 409. Subject matter wherein the bit portion is threaded.
- 413** This subclass is indented under subclass 393. Subject matter relating to either permanent or electrical magnetic features.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
276, for keys for lock operating mechanism of the motor type where a permanent magnet is employed as the releasing instrumentality.
- 414** This subclass is indented under subclass 393. Devices having mechanism which will forcibly eject the key from the associated operating mechanism when the key has completed its normal function.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
388, for lock operating mechanism embracing ejecting features.
- 416** This subclass is indented under subclass 336. Devices including mechanisms to prevent tampering with the operating mechanism of a key lock or any static means designed to prevent an attack by an unauthorized force or by destructive heat.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
1.5+, for devices which upon attack by an unauthorized force impose an additional impediment to the operation of a lock.
333+, for similar devices associated with combination locks.
417, for static armor construction for key locks which prevent transmission of unauthorized force upon the exterior of the lock to disable the lock.
- 417** This subclass is indented under subclass 416. Devices including armor or armoring insertions or additions to prevent attack of drilling, boring, or application of punches, chisels, etc.
- 418** This subclass is indented under subclass 416. Devices opposing attack concentrated upon a portion of the locking mechanism not specifically designed to accomplish normal operation of the lock operating mechanism.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
151, for devices associated with locking latch-bolts which dog the latch-bolt in projected position.
- SEE OR SEARCH CLASS:
292, Closure Fasteners, subclass 346, for devices preventing knife blade insertions at the latch and keeper engaging locality to prevent forcing back of a bolt into its housing.
- 419** This subclass is indented under subclass 416. Devices which render difficult the normal operation of the impeding elements or the passage of fixed impediments by means or implements other than the usual key, by entry through the usual key passage.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
333, for devices designed to prevent forcible operation by external force.

- 420** This subclass is indented under subclass 419. Devices including fixed means which is usually in the form of an additional unconventional impediment to the operation of the locking mechanism.
- 421** This subclass is indented under subclass 419. Devices including means which is usually in the form of an unconventional movable impediment in addition to the usual tumbler mechanism.
- 422** This subclass is indented under subclass 416. Devices including such connections as will readily yield or be broken or ruptured in the application of excessive force, but which in response to the proper implement will function normally.
- 423** This subclass is indented under subclass 416. Devices which prevent or hinder free access to the usual key-hole, usually a portion of the lock operating mechanism or associated therewith in the same housing.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
 371, for similarly usable devices.
 440, for seals covering key-holes.
- 424** This subclass is indented under subclass 423. Devices disconnectible from the operating mechanism housing or key-hole containing part and of a portable character.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
 14+, for portable securing devices.
- 425** This subclass is indented under subclass 423. Devices which are secured or their operation effected by means of a combination locking device.
- 426** This subclass is indented under subclass 425. Devices which are portable and may be readily attached or detached.
- 427** This subclass is indented under subclass 423. Devices which are secured or their operation effected by means of a key control mechanism.
- 428** This subclass is indented under subclass 427. Devices of a portable character and readily attachable and detachable.
- 429** This subclass is indented under subclass 416. Devices retaining the key in association with the lock to prevent manipulation thereof, by unauthorized or surreptitious means, or to prevent the forcible ejection of the key from the key-hole.
- 430** This subclass is indented under subclass 429. Devices of portable readily attachable and detachable character.
- 431** This subclass is indented under the class definition. Subject matter relating to structures as may comprise portions of or may be auxiliary to, in the forms of attachments, accessories or adjuncts for, locking mechanisms.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
 320+, for operating elements for combination operating mechanisms.
 372+, for operating elements, parts, and/or adjuncts of cylinder type locking mechanisms.
 391+, for operating elements applicable to key operating mechanism other than cylinder locks.
- SEE OR SEARCH CLASS:
 224, Package and Article Carriers, cross-reference art collection 935 for a carrier attached to a cycle to support a lock when the lock is not being used.
 292, Closure Fasteners, subclass 2, for specific details of bolt structure, and subclass 340, for specific keeper structures.
- 432** This subclass is indented under subclass 431. Devices which indicate the condition of the locking mechanism by means of visual or other similar readily accessible indication.
- SEE OR SEARCH CLASS:
 40, Card, Picture, or Sign Exhibiting, subclass 460 for changeable exhibitors operated by the latching mechanism of doors.

- 340, Communications: Electrical, sub-classes 500+ for electrical automatic condition responsive indicating systems.
- 433** This subclass is indented under subclass 432. Devices including devices specifically applied to a lock operating mechanism which provide a printed record of such condition.
- 434** This subclass is indented under subclass 433. Devices in which the operating mechanism is electrically motivated.
- 435** This subclass is indented under subclass 433. Devices incorporated in a portable lock of the padlock type.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
20+, for padlock construction, per se.
- 436** This subclass is indented under subclass 432. Devices having some visible, changeable mechanism which usually indicates the condition of the lock operating mechanism by denoting the number of times a lock was operated prior to the next operation, by identifying the last implement which may have operated the locking mechanism, etc.
- 437** This subclass is indented under subclass 436. Devices devised for association or incorporation in a padlock structure.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
20+, for padlock construction, per se.
- 438** This subclass is indented under subclass 432. Devices readily accessible from the exterior of the lock operating mechanism and controlled thereby so that upon contacting of the device by the hand or finger it is possible to immediately determine the condition of the lock operating mechanism.
- 439** This subclass is indented under subclass 432. Devices which transmit to the operator information other than visible information that the operating mechanism has been previously tampered with.
- SEE OR SEARCH CLASS:
340, Communications: Electrical, sub-classes 542+ for electrical automatic lock condition responsive indicating systems.
- 440** This subclass is indented under subclass 439. Devices comprising a seal.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
50, for similar devices incorporated in padlocks.
- SEE OR SEARCH CLASS:
292, Closure Fasteners, subclasses 307+, for seals of this nature of general application.
- 441** This subclass is indented under subclass 432. Devices which will direct the attention of the user to a condition which requires attention prior to the execution of whatever operation is intended by the user, or which imposes upon the user the required steps necessary to provide ultimate proper securing.
- SEE OR SEARCH CLASS:
340, Communications: Electrical, sub-classes 542+ for electrical automatic lock condition responsive indicating systems.
- 442** This subclass is indented under subclass 431. Subject matter relating to combination operated mechanism.
- 443** This subclass is indented under subclass 442. Subject matter relating to the formation, assembly or structure of the housing itself.
- 444** This subclass is indented under subclass 442. Subject matter relating to operating attachments, other than knobs; hand-grips, etc.
- 445** This subclass is indented under subclass 442. Subject matter relating to the manipulative portion as the knob, hand-grip, handle, etc.
- SEE OR SEARCH CLASS:
74, Machine Element or Mechanism, subclass 553, for knobs having dials and vernier adjustments.

- 116, Signals and Indicators, subclasses 200+, for knobs having indicator features.
- 446** This subclass is indented under subclass 442. Devices for assisting in the determination of the combination required for operation of the mechanism by an authorized individual.
- 447** This subclass is indented under subclass 431. Devices for key operating mechanism.
- 448** This subclass is indented under subclass 447. Subject matter relating to the assembly or construction of the housing or casing, which provides a container or support for the lock operating mechanism.
- 449** This subclass is indented under subclass 448. Devices of a cylindrical character which are readily accommodated in cylindric portions or openings provided for mounting purposes.
- 450** This subclass is indented under subclass 448. Subject matter directed to that portion of the housing through which the bolt projects.
- 451** This subclass is indented under subclass 448. Subject matter relating to the accommodation or reception of key operated lock mechanism as a unit for purposes of temporary or permanent association with a structure to which the lock mechanism is applied.
- 452** This subclass is indented under subclass 447. Devices comprising plates, rings, etc., which distinctly designate the key-receiving opening or for purposes of spacing and finishing in the form of trim that portion of the key operating lock mechanism which may be readily visible to the public, to provide for neat appearance.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
381, for cylinder rings associated with cylinder lock mechanism.
- SEE OR SEARCH CLASS:
250, Radiant Energy, subclass 466.1 for luminous fluorescent phosphorescent covers, keys and attachments therefor and subclasses 483.1+ for fluorescent and phosphorescent devices generally.
- 453** This subclass is indented under subclass 447. Subject matter which acts as a track or guide for the reception of the operating portion of a key and which usually is a part of the interior construction of the lock operating mechanism.
- 454** This subclass is indented under subclass 447. Devices usually associated with the exterior of a lock operating mechanism providing guiding means to aid in the ready insertion of the key into the lock operating mechanism at times when the key-hole may not be visible.
- SEE OR SEARCH CLASS:
250, Radiant Energy, subclass 466.1 for luminous fluorescent or phosphorescent covers, keys, and attachments therefor, and subclasses 483.1+ for fluorescent and phosphorescent devices generally.
362, Illumination, subclass 100 for illuminated keyholes.
- 455** This subclass is indented under subclass 447. Devices comprising cover means to close the usual key-hole from the exterior to protect such opening from reception of water, dirt, etc.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
55, for padlock sheaths.
- SEE OR SEARCH CLASS:
150, Purses, Wallets, and Protective Covers, subclasses 154+ for a flaccid protective cover which is configured for and supported by the article it protects.
- 456** This subclass is indented under subclass 447. Devices for receiving and retaining keys in a readily accessible group and relates only to that aspect thereof as is directed to the key receiving and retaining features alone.
- SEE OR SEARCH CLASS:
7, Compound Tools, subclass 167, 168 and 170, for key-holders combined with other articles or tools.

- 24, Buckles, Buttons, Clasps, etc., for means for attachment to the dress or other object and subclasses 572+ for separable fasteners and 598.4+ for snap hooks.
- 59, Chain, Staple, and Horseshoe Making, subclasses 85+ for detachable chain links.
- 206, Special Receptacle or Package, subclasses 38+ for a pocket or personal use receptacle particularly constructed to retain a key as well as some other article or material.
- 220, Receptacles, appropriate subclasses, for metal receptacles.
- 457** This subclass is indented under subclass 456. Devices having flexible member for holding the keys.
- 458** This subclass is indented under subclass 456. Devices formed of one piece of sheet metal, wire, or other material.
- 459** This subclass is indented under subclass 456. Devices in which the openings through which the keys are introduced are closed by means of releasable catches which form a part of the key-holder and may include a threaded closure for travel upon one end of the ring are included in this subclass.
- 460** This subclass is indented under subclass 447. Subject matter directed to means incorporated in the lock operating construction for identifying the combination of the key biting.
- SEE OR SEARCH CLASS:
40, Card, Picture, or Sign Exhibiting, subclass 330, for keys merely carrying indicia.
- 461** This subclass is indented under subclass 431. Devices directed to ready adjustment of features of the lock operating mechanism for accommodation to varying conditions of support, housing, etc.
- SEE OR SEARCH CLASS:
292, Closure Fasteners, subclass 1.5 for adjustable backset and subclasses 341.18+ for keepers with means to adjust the position thereof.
- 462** This subclass is indented under subclass 431. Subject matter relating to reversibility, as changing the structure to accommodate itself for either right-or left hand association.
- SEE OR SEARCH CLASS:
292, Closure Fasteners, subclasses 244+ for reversible bolt structures not involving lock operating mechanism, and subclass 341.18, for keepers with means to adjust the position thereof.
- 463** This subclass is indented under subclass 431. Devices which silence or muffle any unusual or excessive noise made by the interengagement of the lock operating mechanism parts or to adequately muffle the movements of the parts.
- SEE OR SEARCH CLASS:
292, Closure Fasteners, subclasses 341.12+ for keepers with anti-rattle or silencing means.
- 464** This subclass is indented under subclass 431. Subject matter wherein provision is made for reducing friction between moving parts thereof.
- SEE OR SEARCH CLASS:
292, Closure Fasteners, subclass 341.11 for keepers with anti-friction means.
- 465** This subclass is indented under subclass 431. Devices which provide for immediate release of the lock operating mechanism or its movement to unlocked condition by special access to the lock operating mechanism through provisions not known by the public or usually inaccessible to the public, or incorporating non-public yieldable or frangible connections or supports for release in an emergency.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
274, for emergency releasing mechanisms specifically designed for association with clockwork control for lock operating mechanism.
340+, for emergency releasing arrangements providing for access through the usual implement guideway or receptor.
394, for implements providing for authorized ready release of a key operating

- mechanism in the event of loss or inaccessibility of the proper key.
- 466** This subclass is indented under subclass 431. Subject matter providing a ready templet, guide, aid or assistor for suitably correctly mounting the lock operating mechanism or its associated housing.
- SEE OR SEARCH CLASS:
 33, Geometrical Instruments, subclass 197 for mortise gauges.
 144, Woodworking, subclasses 75+ for mortising apparatus.
 408, Cutting by Use of Rotating Axially Moving Tool, subclasses 72+ for jigs for guiding drills.
- 467** This subclass is indented under subclass 145. Apparatus having a manually operated manipulator located exterior of the space to which the door leads, and which is utilized as input means for retracting the latch bolt, in combination with releasable means (including tumblers) to selectively dog the manipulator by engagement therewith or with some part rigidly fixed thereto.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
 150+, for similar subject matter wherein the external bolt manipulator is effectively dogged by dogging the latch bolt or the connecting means between the manipulator and the latch bolt; and subclasses 210+ for the subcombination of a manual bolt manipulator and means to directly dog it.
- 468** This subclass is indented under subclass 467. Apparatus and having related therewith manually operated manipulator located interior of the space to which the door leads.
- 469** This subclass is indented under subclass 467. Apparatus having dog means for the dog for the exterior manual bolt manipulator.
- 470** This subclass is indented under subclass 467. Apparatus having a dog for the latch bolt which may be movable upon movement of the dog for the manual manipulator.
- 471** This subclass is indented under subclass 467. Apparatus in which the dog for the exterior manual bolt manipulator has an actuator which is continuously connected with said dog.
- 472** This subclass is indented under subclass 467. Apparatus having means whereby the exterior latch bolt manipulator and the latch bolt are not operatively interconnected when the exterior manipulator is dogged.
- 473** This subclass is indented under subclass 467. Apparatus in which the exterior bolt manipulator and the controller for its dog are rotatable about an axis common to both.
- 474** This subclass is indented under subclass 473. Apparatus in which the rollback for the latch bolt is movable to a position in which it acts as a dog for the external manipulator for the latch bolt.
- 475** This subclass is indented under subclass 473. Apparatus in which the dog for the exterior manipulator may also be actuated by key means to dog or undog the said manipulator.
- 476** This subclass is indented under subclass 473. Apparatus in which the means controlling the manipulator dog is translatable on and rotatable about the same axis.
- 477** This subclass is indented under subclass 473. Apparatus in which the means is rotatable which is manipulatable to actuate the dog for said bolt manipulator.
- 478** This subclass is indented under subclass 473. Apparatus having key actuated means to release the manipulator dog from its dogging position.
- 479** This subclass is indented under subclass 478. Apparatus in which manipulation of the manual bolt manipulator releases the dog.
- 480** This subclass is indented under subclass 473. Apparatus in which manipulation of the manual bolt manipulator releases the dog.

- 481** This subclass is indented under subclass 467. Apparatus in which the dog for the exterior latch bolt manipulator is controlled by the interior latch bolt manipulator.
- 482** This subclass is indented under subclass 481. Apparatus in which the interior latch bolt manipulator is operable to cause the exterior latch bolt manipulator to be dogged and undogged.
- 483** This subclass is indented under subclass 467. Apparatus having a manually actuatable means to control the dog means for the exterior manual latch bolt manipulator.
- 484** This subclass is indented under subclass 483. Apparatus having additional lock means to control the dog for the external latch bolt manipulator.
- 485** This subclass is indented under subclass 484. Apparatus in which the additional lock means for controlling said manipulator dog may both dog and undog said manipulator dog.
- 486** This subclass is indented under subclass 483. Apparatus in which the manually engageable means for controlling the latch bolt manipulator dog is located at an edge of its associated door.
- 487** This subclass is indented under subclass 483. Apparatus in which the manually actuatable means to control the dog is mounted for planar movement only.
- 488** This subclass is indented under subclass 467. Apparatus in which the manually actuated exterior manipulator for the latch bolt is mounted for planar movement only.
- 489** This subclass is indented under subclass 467. Apparatus in which the manually actuated exterior manipulator for the latch bolt is a pivotally mounted lever.
- 490** **Rotary plug:**
This subclass is indented under subclass 357. Device wherein the movable part comprises a rotary plug.
- 491** **Sliding tumblers:**
This subclass is indented under subclass 490. Device wherein the movable impediments to relative rotation between the plug and the cylinder (i.e., the tumblers) move in a slidable fashion.
- 492** **Transverse of plug:**
This subclass is indented under subclass 491. Device wherein the impediments move in a direction which is crosswise of the plug.
- 493** **Pin tumblers:**
This subclass is indented under subclass 492. Device wherein the impediments are cylindrical in configuration.
- 494** **Rotatable pins (e.g., medeco lock):**
This subclass is indented under subclass 493. Device wherein at least one of the impediments turns about its longitudinal axis.
- (1) Note. The tumblers of this subclass are found, principally, in locks made by Medeco Security Locks, Inc.
- 495** **Including sidebar:**
This subclass is indented under subclass 492. Device wherein structure, frequently in the nature of a shaft-like element, is included, and wherein the structure serves as an additional impediment to rotation of the plug relative to the cylinder by extending across, at one or more locations, the circular line of demarcation (i.e., the shear line) along which the plug turns relative to the cylinder.
- (1) Note. The movement of the sidebar to a nonblocking position requires the repositioning of the tumblers to a location where a means (e.g., a recess) thereon can receive a portion of the sidebar, thus enabling the latter to move clear of the shear line.
- (2) Note. In some instances, the tumblers do not move in such a manner as to block the shear line; therefore, the sidebar is not, in those instances, an additional impediment.

496 Including sidebar:

This subclass is indented under subclass 491. Device wherein structure, frequently in the nature of a shaft-like element, is included, and wherein the structure serves as an additional impediment to rotation of the plug relative to the cylinder by extending across, at one or more locations, the circular line of demarcation (i.e., the shear line) along which the plug turns relative to the cylinder.

- (1) Note. See (2) Note of subclass 495 above, which Note is equally applicable here.

END